

Abstract

In accordance with the present invention, there is provided a mobile station (102) which transmits and receives packet data to and from a base station according to an assigned
5 schedule such as a transmission timing which the base station determines based on priority information on the priority of each packet data received from each mobile station (102), the mobile station (102) including a transmission data storage unit (402) for temporarily storing at least one or more packet data
10 inputted thereto, a priority control unit (405) for generating priority information which the above-mentioned base station uses for determination of the above-mentioned schedule in advance based on the priority of at least the one or more packet data stored in the transmission data storage unit (402), and
15 a transmitting unit (408) for transmitting the priority information generated by the priority control unit (405) to the above-mentioned base station. Therefore, in order to generate a schedule such as a transmission timing at which the base station communicates with each mobile station, the base station
20 can know the priority of packet data stored in each mobile station in advance, and can recognize the existence of a mobile station which is trying to transmit packet data with a high priority to the base station at an early stage. As a result, the base station can assign a transmission timing etc. quickly
25 to the mobile station in question.